



## **ACM/IFIP/USENIX Middleware Conference**

**December 11-15, 2017, Las Vegas, Nevada**

### **Call for Industry Track Papers**

The annual ACM/IFIP/USENIX Middleware conference is a major forum for the discussion of innovations and recent advances in the design, construction and use of middleware systems. The Industrial Track of the Middleware 2017 Conference solicits 6-page papers for presentation during the main conference (single track) and inclusion in the ACM Digital Library. The topics of interest are similar to those in the general conference call for papers. However, the purpose of the Industrial Track is to emphasize the practical issues, observations, and measurements of "real-world" systems and applications and to disseminate information of particular interest to Middleware researchers, architects, developers and administrators.

### **Topics**

The topics of the industry track include, but are not limited to:

- **Experience reports and measurements relating to**
  - Deployments of Internet-scale environments, including grids, data centers, and other large-scale systems
  - Cloud computing middleware, for Infrastructure/Platform/Application as a Service
  - Quality of service, quality of user experience
  - Scalability issues (e.g., observed real-life workloads and applications)
  - Reliability and availability issues (observed real-life faults, fault models, and recovery mechanisms)
  - Security issues (e.g., real attacks on deployed platforms and their impacts)
  - Middleware for mobile computing and its distinctive requirements

- Middleware in big data and machine learning systems and applications
- Deployments of embedded systems, sensor networks and Internet of Things
- **Approaches, mechanisms and tools for**
  - Real-life deployments, e.g., hardware equipment management (installation, updates, replacement), management of data center buildings, network points of presence, "data center in-a- box"
  - DevOps, continuous software development, integration, and delivery
  - Operation and maintenance, e.g., install and upgrade, bug fixes, and backup
  - Runtime management, e.g., monitoring, alerting, troubleshooting, remediation, and automation
  - Economic, energy-aware, and environmental analyses (e.g. cost and/or energy impacts of various data center deployment models)

## Important Dates

- Abstract registration: August 11, 2017
- Paper submission: August 18, 2017
- Author notification: September 30, 2017
- Camera ready due: October 27, 2017

## Submission Guidelines

A submission must be a single PDF file conforming to the [ACM Conference Format](#) and must not exceed 6 pages (including abstract, figures, tables, and appendices, but excluding references). Submissions must be in English. Submissions that do not adhere to these guidelines or that violate formatting will be declined without review. Reviewing is single-blind; papers must include author names and affiliations.

Each submission will be reviewed by at least three members of the Industrial Track Program Committee. Submissions will be evaluated on the basis of originality, importance of contribution, technical soundness, evaluation, quality of presentation and appropriate comparison to related work. The committee as a whole will make final decisions about which submissions to accept for presentation at the conference.

Simultaneous submission of the same work to multiple venues, submission of previously published work, or plagiarism constitutes dishonesty or fraud. The conference organizers, like those of other scientific conferences and journals, prohibit these practices and may take actions against authors who have committed them. Papers accompanied by nondisclosure agreement forms will not be considered. If you are uncertain whether your submission meets the guidelines, please contact the program co-chairs.

By submitting a paper, you agree that at least one of the authors will attend the conference and present the paper in person.

Submissions will be handled through HotCRP- <https://middleware17industry.hotcrp.com/>.

## **Program Chairs**

Indrajit Roy, Google

Xiaoyun Zhu, HyperPilot

## **Program Committee**

Angelo Corsaro, ADLINK Technology, France

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